



APRIL 2023

VOLUME 20 ISSUE 04

©Radio Club of Tacoma W7DK

FROM THE EDITOR!

Yes, folks, another month has passed into the log.

I hope that you all are having fun! As I write this, the weather finally decided to switch over to summer, at least for a couple of days.

Who knows what the actual summer will be like?

Propagation on the bands improved dramatically until late April when we started to get coronal mass ejections (CME's), other solar flares and geomagnetic storms. Whoops! There went the good conditions! Hopefully, condx will improve before Field Day in late June.

There have been several FD meetings to date and everything that we (the club that is) need to do is coming along fine so far.

We've got a very good issue this month, a lot of very good contributions have come in for you all to read. Pictures included! Look at the clubhouse repair article to see what is going on there. That is in the "Mail Bag" section starting on page 11. Also in the mail bag is an article about John Clarke our long term VE chief. He's been doing a great job in that position for many years! Congratulations to John for the great award and thanks from the club!

Also in the mailbag is an article about RCT's Pierce county ARES group supporting "Walk MS at Chambers Bay".

Again, I and the RCT officers, all you loyal readers and even the no-so-loyal readers all thank the contributors for the fine stuff they've sent in this month.

As always, we're never giving up on the requests to you, the readers, for anything you want to publicize here in the Loggers Bark.

73 Gary, Editor RCT's world-famous newsletter!



Page 1: Editors report.

Page 2: [Board](#) of Directors meeting minutes.

Page 6: [General](#) Meeting minutes.

Page 9: [John](#) Clarke's Award!

Page 11: [Mail](#) Bag

Page 16: [Mighty](#) "DK's!" QSO report.

Page 17: Elmer [Board](#).

Radio Club of Tacoma
Board of Directors Meeting
April 5, 2023

Meeting called to order at 19:00 by President Mike W7XTZ

Officers and Directors Present

President Mike Mikuchonis W7XTZ

Vice President Adam Barbera W2NCC

Secretary Mike Drorbaugh W7MKE

Treasurer Steve Dightman AF7YD

Board Bruce Hanson WE7P

Board Paul Matney W7PFU

Board Doug Schafer AB7DG

Board Red Cranefield WB7EC

Board Phil Pia K7PIA

Quorum? All members of the Board were present and a total of 19 members attended in person or via ZOOM for part or all the meeting. The attendance list is attached.

Silent Key or Illness? Nothing reported, but it was suggested that we send Doug AD7AV another card expressing interest in seeing him and let him know we think of him. Also people asked about Bob (N7NCP) and Gretta (KF7KSW) Hewlett. Mike W7XH indicated he'd talked to them not long ago and was hoping to get to Ocean Shores and would, if possible, visit them. Also nothing has been heard about Worth Gurley W7WG recently.

Approval of Minutes of March 8, 2023, BOD meeting as distributed was approved without objections.

Secretary's Report (W7MKE)

Mike W7MKE reported filing the federal 990-N and the WA State Nonprofit statement with Office of Sec of State. He's not sure if he needs to file annual minutes too. He reported getting an email reportedly from Office of Secretary of State to file our "Minutes of Annual Meeting." He didn't know if this is legitimate or not but will investigate it. Mike also reported completing the ARRL Special Service Club filing.

Treasurer's Report (AF7YD)

Steve AF7YD reported finding some discrepancy in how Quick Books reported and he worked for 2-3 days chasing down and repairing that discrepancy and had not completed his March Report but may have it soon.

It was mentioned that the new Bylaws state that the President SHALL appoint an assistant treasurer. So far, the President has not appointed anyone and no one present volunteered but Steve may have someone in mind. The possible appointment was tabled until next month.

Committee / Reports

Membership (W7XH/K7GRS)

Mike W7XH reported 291 members and that includes 6 promotional members. We've had a good outreach to lapsed members and in getting new members. He suggested perhaps we should have an outreach to members we haven't seen recently and Mike tries to do that but cannot do it entirely. Here's an opportunity for someone to help.

Library (AD7AV)

Nothing reported.

Training (AD7AB)

No report. There will be no class this month because of Easter. Mike W7XTZ said that Stephen AD7AB reported to him that he was still trying to reach the contact for the Puyallup Fair.

VE (AC7WW)

John AC7WW submitted this written report.

Tuesday, March 14th, 2023, your VE Team graded 44 exams from two sessions at the Clubhouse. Twenty-two candidates passed their exam. Thirteen new Technicians joined the Amateur Service. Three passed element 2 and 3 to become Generals. Four candidates upgraded to General, and two candidates upgraded to Extra.

Thanks to the following for their service and time: Leonard, KA7NWF Brady, W7EC Rich, KK7VH Mike, W7XH Stephen, AD7AB Phil, K7PIA and Whit, KG7LNZ

The next scheduled test session is Tuesday, April 11th 2023. Time to be determined.

Friday, March 24th, 2023, we traveled South to JBLM where we graded 18 exams from two sessions. Four Technicians joined the Amateur Service. Two passed elements 2 and 3 to become General. Three candidates failed to obtain an initial license.

Thanks to the following for their service and time: Jan, K7HTU Mike, W7XH and Stephen, AD7AB

Info Tech and Website (WB4SPB)

Randy WB4SPB reports that all clubhouse (computer) systems are nominal. A Web site upgrade is in process with the help of George K7GRS and Mike W7XH. Randy does not expect any issues for website users.

Randy asked the BOD if he should give membership privileges on the website to Promotional members? BOD seemed to think we should allow access since we currently have no easy way to purge former members from the website each year of those members who do not renew. Moreover, their access is not a significant security issue.

HF Operations(K7PIA)

Phil K7PIA reported that all stations are working fine. There may be some issues with our training room speaker picking up 80M transmissions if running power on 80M. See www.contestcalendar.com for radio sport. Rookie Roundup is upcoming April 16th for SSB. Rookies are amateurs licensed less than three years (or others who have not made contacts on SSB). Non-Rookies are also encouraged to participate. No major DX this month. www.ng3k.com reports an announced DXpeditions. Dan KD7SV reported Spratly Is. (DX0NE) are coming up this week. The VHF/UHF station still needs another dual band VHF/UHF radio for proper Emcomm work. New monitors for the Elecraft station are planned for when we get the new IC-7610.

Tower (K7MO)

Work is deferred until probably May.

Repeater Ops (N7OMS)

Al N7OMS reported that the GE Master II unit at the clubhouse that was slated to go to the Bates station still has some issues. Some repairs at Bates are waiting for better weather. We generally will have access to the Bates site except for access to the tower base which we will need access to complete coax work. The clubhouse repeater and Crawford Mountain repeaters are both working.

Facilities Management (W2NCC)

Adam W2NCC reported that the gate in the chain link fence on the Union Avenue side of the property was compromised by prowlers/burglars. That was the path the last burglars used. It was suggested that we replace the top rail of the fence and just weld the gate shut. Adam will contact a member with a welder to do this.

Mike W7XH has installed a camera and security light on the back of the garage facing the shed. The camera is not yet connected to DVR.

The contractor we have a bid from for working on the gables/fascia is ready to go to work. Tacoma Power may require about \$320 to hook up and inspect the power drop. We have access to scaffolding but may need to rent planks for it. Adam is unsure of everything needed for the project so far as it is not possible to know everything until you get into the project itself. **Adam Moved** that we budget \$4000 for the gable/fascia repairs. Motion was seconded by Phil K7PIA. No further discussion was offered. **Motion passed** by show of hands 9-0.

Adam also reported the need for a trench from the garage to the shed to run power for cameras and lights. Adam has contacted *call before you dig* to come out to look for any potential underground issues.

Property Management (WB7EC)

Red WB7EC reported \$XXXX for March income from all sources. We have many items still for sale and if you want something and think the price is too high, please make an offer. There is some aluminum beside the garage that is available to buy. If you are interested, please see Red. Sorting out which Rohn tower sections can be sold and which to keep was also discussed.

Museum (KD7SV)

Dan KD7SV's priority is to work on the Hammarlund HQ-145dx first. The audio is still not working well. He reports that all equipment now on the operating tables works.

He recently looked at the Heathkit HR-10B to see if it works. It does power up and receives (not good) and the BFO needs to be aligned. It is a simple rig for CW only and would be frustrating for a new user. Dan has a couple of DX-40s he's restoring (one for parts) and the club has a DX-60 which is not often used but he'd like to see it used more and thinks the DX-40 would be a substitute should the DX-60 fail. The 5-position switches on both those rigs may be vulnerable as are some of the single pole switches. He has ordered some single pole switches so they are in stock if needed. All this is a secondary project as is the Heathkit SB-303 that he thinks just needs a power cord.

Wednesdays Workshop (WB4SPB)

No topic yet, standby.

General Meeting (W7UUU)

Dave W7UUU reported that we have Mike Walker from Flex Radio for next week's program. For May we will do a Field Day program. For June we will do a program on limited space antennas. For July we will do a Field Day review with pictures and critique.

Unfinished Business

Mike W7XH reported that after the burglary that all power cords large and small are gone. Mike has made some inquiries about getting some large cords but doesn't expect a reply for another 30 days or so. If we must buy new it won't take long to assemble the large gauge power cords if we need. Basically we need to document what we need for the HF and kitchen tent.

Steve AF7YD reported no progress on updating the insurance inventory. There was discussion on breaking the needed inventory process into manageable sections. Steve will provide a spreadsheet with the necessary information needed. Then teams will be assembled to inventory various areas. Hopefully, committee chairs will coordinate their area of responsibility.

AI N7OMS reported that he is working on a script for a video about how to use the Flex radio. He's working with Dave W7UUU for camera work. Dave will help with video editing.

Adam W2NCC reported on the status of funding for getting an IC-7610. He has about \$2500 now and wants to get the radio before Field Day. He still has several items listed for sale.

New Business

Adam W2NCC indicated that we are embarking on some big projects like the tower, the repeaters and Emcomm. He doesn't think the club needs to shoulder all the costs ourselves. He knows of software that will help him write grants. The software costs \$170. **Adam moved** that the club buy a software subscription for \$170 for a database of those who make grants. **The motion failed** due to no second and alternatives to the database were suggested.

Activity Reports, Discussion Topics, Announcements

Several club members took part in a project headed by Seattle Emergency Radio organization on a protocol for Health and Welfare traffic connecting people in a disaster area with people outside of the disaster area. Their program is called I AM SAFE. Possible groups that may need this are local Universities, Colleges, and shelters. If you're interested in this, see Doug Schafer AB7DG or Steve Dightman AF7YD for more information.

Adjournment was at 20:52

Submitted by:



Michael Drorbaugh
RCT Secretary

Radio Club of Tacoma
General Meeting Minutes
April 12 2023

Officers and Directors Present

President Mike Mikuchonis W7XTZ

Secretary Mike Drorbaugh W7MKE

Treasurer Steve Dightman AF7YD

Board Doug Schafer AB7DG

Board Phil Pia K7PIA

Board Red Cranefield WB7EC

Board Bruce Hansen WE7P

Meeting Called to Order at: 19:10 by President W7XTZ.

Flag Salute Led by President Mike W7XTZ

PROGRAM: (introduction: W7UUU) Mike Walker VA3MW from Flex Radio Systems.

Mike VA3MW said that he has been a ham for about 50 years having earned his ticket at age 14.

Has been with Flex for 6 years and before that was employed in a data protection and recovery career.

Mike's presentation was via PowerPoint and will be available at w7dk.org website for viewing.

Attendance: A total of 36 members and visitors attended the meeting at the club house and via Zoom. The attendance list is attached.

Welcome and Acknowledgement of New Members and Visitors.

Attendance included several visitors from the Bonney Lake Trilogy Radio Club who toured the club house prior to our meeting. We welcomed: Randy Kinnamon KA7VNE, Martin Graham KX7MCG, David Steere AA7DS, Howard Crane NY6W, and Wayne Pommer N5WAP. Also visiting was Richard Strauss AG7KK and former RCT Member Oliver Larson RCT #604 who now lives in Arizona.

Health and Welfare/Silent Key & Illness

Anne Ellison N7ANN reported that she had some Facebook communications with Worth Gurley W7WG's daughter Heather. She said that Worth was less mobile but still fairly sharp but could not get to his radios. He still remembers CW!

Tom (W7TJL) Lesick's XYL recently passed away. She suffered from dementia. Dan KD7SV has sent him a card. We currently have no information about her service.

Secretary's Report

Mike W7MKE reported that he has completed filing the Federal IRS 990-N nonprofit document.

He also completed the WA State non-profit filing. He has made contact with Collins Grange and reserved December 11th for our annual awards banquet and expects to receive the paperwork from them soon.

Treasurer's Report

Steve AF7YD reported that he'd made available the March Financial Report for the Board. He was a few days late as he'd discovered some errors in the reporting because of some name changes to some items which took him a few days to figure out.

Committee / Activity Reports**Membership (W7XH/K7GRS)**

Mike W7XH reports that membership stands at 292 with 3-4 new applications to process. Mike, George K7GRS, and Randy WB4SPB are working on updates to our website and membership database and do not expect this to impact access to the website or membership database during their work.

Training (AD7AB)

Mike W7XTZ reported there was no training this month and that Stephen AD7AB has attempted to contact the Puyallup Fair multiple times and so far, no joy. Stephen indicated that if we couldn't contact them before the end of May, he was not certain we could participate.

VE Report (AC7WW)

John AC7WW submitted this written report: Tuesday April 11th your VE Team hosted 8 candidates at the clubhouse. 16 exams were graded, with 8 passed. Seven Technicians joined the Amateur Service and one upgraded to Extra.

Thanks to the following for their service and time: Rich, KK7VH Mike, W7XH, Rob, K7TGU Stephen, AD7AB and Whit, KG7LNZ.

The next scheduled test session is Tuesday, May 9th, 2023.

HF Operations (K7PIA)

Phil K7PIA reported the HF stations are all operational. www.contestcalendar.com shows several state QSOs and Rookie Roundup SSB is on the 16th. If you want to contest check with Phil to set up the logging. Work on VHF/UHF EmComm station is generally complete, although as reported previously, we need another dual band transceiver to complete the station in order to handle Health and Welfare traffic. That station is not just for Emcomm so feel free to use it for other communications.

Repeater Operations (N7OMS)

Mike W7MKE reported on the situation at Bates: The old repeaters are moved to their new building but the heliax coax is not long enough and needs to be spliced with another length. Access to our repeater will be complete once the new heliax is installed. It was reported that the GE Master II repeater here at the clubhouse is now tuned up and ready to replace the one at Bates.

IT Report (WB4SPB)

Randy WB4SPB reports that all computer systems are nominal. A new computer is on the library table for the team to use for updating the website and membership data. Randy always appreciates any reports of broken links or issues with the website.

Museum (KD7SV)

Dan KD7SV's report to the Board was given: Priority is to work on the Hammarlund HQ-145dx first. The audio is still not working well. He reports that all equipment now on the operating table(s) work.

Dan also recently looked at the Heathkit HR-10B to see if it works. It does power up and receives (not good) and the BFO needs to be aligned. It is a simple rig for CW only and would be frustrating for a new user. Dan has a couple of DX-40s he's restoring (one for parts) and the club has a DX-60 which is not often used but he'd like to see it used more and thinks the DX-40 would be a substitute should the DX-60 fail. The 5-position switches on both those rigs may be vulnerable as are some of the single pole switches. He has ordered some single pole switches so they are in stock if needed. All this is a secondary project as is the Heathkit SB-303 that he thinks just needs a power cord.

Property Management (WB7EC)

Red WB7EC reported that in March we took in \$XXXX from sales at the club house and Mike and Key. Check out the sales list, if you see something you want you can make an offer on the price.

Facilities Management (W2NCC)

The problem with the gate in the chain link fence on the Union Street side of the property was discussed at the Board Meeting and Adam W2NCC plans to just weld the gate shut. Security cameras are installed but not hooked to DVR. He's still waiting to schedule the work on the fascia/soffits for better weather.

4th Wednesday Night Activity (WB4SPB)

Nothing scheduled yet but Randy expects it to be about Field Day. (It was and it was a good discussion. Ed.)

Bark Editor (WG7X)

Gary WG7X requests submissions to the BARK from the members. Please do a bit of self-reporting and let him know what you're doing so the BARK has content!

Emcomm

Steve AF7YD reported that the MS walk is going to happen this upcoming weekend at the Chambers Bay Golf Course. Steve has 4 new members being mentored and will take them out next Saturday. He's still working on programming the VHF/UHF EmComm radio computer software and getting it working with VARA.

Unfinished Business

- Mike W7XH reported on the installation of new security cameras and lighting.
- Dave W7UUU reported that Rod Kirsch W7RKZ will do the program on Field Day at next month's meeting.

New Business: Nothing offered.

Announcements/show and tell/ traffic & Tuning

- Gary WG7X and Phil K7PIA report that lower bands are particularly good. Some good DX on the 10, 12, 15 bands.
- Walt WA7SDY reports he's been watching the Asmat satellite but has not made a contact.

Mike W7XTZ again welcomed the visitors and invited them to the club anytime.

Adjournment was at 20:45

Submitted by:



Michael Drorbaugh
RCT Secretary

John Clarke, AC7WW, Recognized as Outstanding ARES Volunteer! By Doug Schafer

On April 15, 2023, at the 45th Annual Pierce County Government Volunteer Recognition Event, our Club member John Clarke, AC7WW, was recognized for his years of volunteer service to Pierce County Amateur Radio Emergency Services (ARES) and the county's Department of Emergency Management. He was presented with a nice plaque and a County Executive's Proclamation recognizing his longstanding and outstanding service.

John served for over 20 years as the Pierce County ARES Membership Officer, maintaining records of approximately 300 volunteers and assisting about half of those volunteers to obtain State Emergency Worker Cards and to renew them every three years.

He was again recognized at a well-attended ARES meeting on April 20, when ARES District 5 Emergency Coordinator Stan Nelson, K7DKK, presented him with additional awards and our collective thanks.





Western Washington Section, District 5, Pierce County
Amateur Radio Emergency Service



Certificate of Meritorious Service

This certifies that

John Clarke, AC7WW

For over 20 years of exceptionally meritorious service, professionalism, and steadfast dedication to the ARES mission, and Pierce County, as the District 5 Pierce County ARES Membership Officer. Mr. Clarke's unparalleled commitment to excellence has set him apart from his peers and aided District 5 Pierce County ARES to provide superior service to the community. His relentless diligence, service, and work ethic have directly impacted every Pierce County ARES member during his tenure. He has directly enabled the organization to provide professional communications operators to Emergency Operations Centers, Multi-Agency Coordination Centers, Community Emergency Response Teams, Community Organizations, National Special Security Events, and Public Service Events. His outstanding performance and untiring commitment are an example for other Radio Operators to emulate. His unwavering dedication reflects great credit upon himself, District 5 Pierce County ARES, and Amateur Radio Operators.

Pierce County ARES Lifetime Achievement Award

Given on the 28th day of January 2023

Stan Nelson, K7DKK
District Emergency Coordinator

Patrick Niles, N7SOI
Assistant District Emergency Coordinator



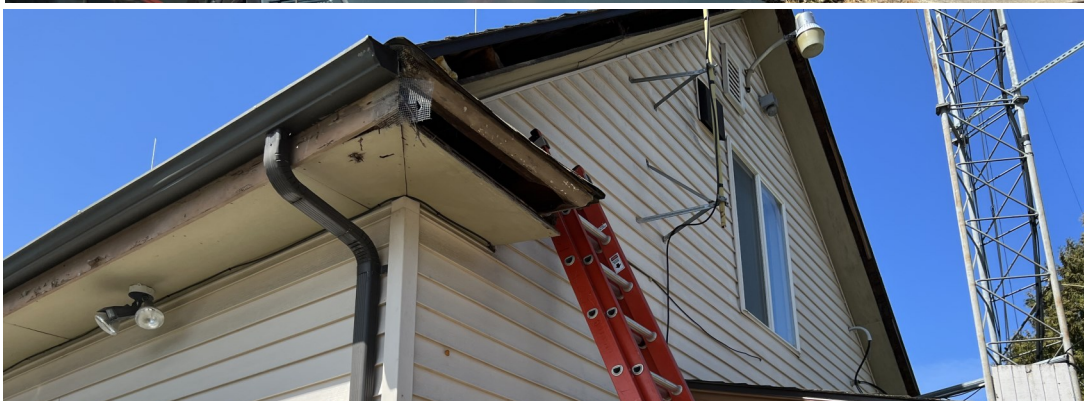
Just a quick picture taken during a quick road trip by Gary WG7X . Picture is taken at the top of Steptoe Butte, located Just outside of Colfax, Washington in the heart of the Palouse. Little plaque there said that on a good day, you can see about 75 miles away! Elevation there is 6,312 Feet above sea level.

MAILBAG!!

AROUND THE CLUBHOUSE: REPAIR EDITION...



Many of you members know that the clubhouse has needed some work for a long time. Presenting here a little of the work that has been done so far: Left we see Paul K7OSS, beginning on the left hand soffit. He's going to evict the critters who have been living in there rent free for years!



Above and right: we see the large amount of nesting material that came out of the south side eaves. There's going to be a lot of upset critters around the clubhouse soon! The north side was even worse! Pictures of that on next page.





As promised: there's Paul K7OSS caught in the act of evicting yet more critters, this time from the north side of the building.

Below, left we see Adam W2NCC up on the ladder posing like a "real ham"! LOL!



While all that was going on outside, Chef Paul W7PFU was busy inside making lunch for all the hard working hams!



There's Paul doing his thing! See what you missed if you weren't there?

Hams participating were: Gary WG7X, Paul K7OSS, Paul W7PFU, Adam W2NCC and Brad WA7BTC and of course the contractor Mike and his daughter Dany.





As you can see, it was a couple of very busy days at W7DK and the job is only about half done! Second half should happen soon. Stay tuned! There are tasks that the property maintenance committee have been planning for a long time and they are very necessary to the continued health of the club house! After this task is complete, we'll be looking at the tower. It too needs maintenance. If anyone out there wants to help, contact W2NCC (facilities) or K7MO (tower/antennas).



RCT Communications Support for MS Walk April 15, 2023 at Chambers Bay! by Steve Dightman



On April 15 Radio Club of Tacoma supported Pierce County Amateur Radio Emergency Services in providing Ham Radio Public Service Communications to Walk MS at Chambers Bay. The purpose of the communications was to quickly respond any participant who might find themselves in distress and respond as appropriate; and also advising the Walk MS supervisor. Marie KF7SOX and Sue KF7SOW were aboard the response bus. Others were distributed throughout the course, a “shadow” with the Walk MS leader and KK7JUB at First Aid.

A special shout out of appreciation goes to KF7SOX, KF7SOW, KK7JHT and KK7JUB for their first Ham Radio field event

Radio Club of Tacoma in support of our Official Emergency Station (OES) designation will be continuing to provide Public Service Communications and support to Pierce County Amateur Radio Emergency Services (ARES). Those who would like more information or to participate contact Steve AF7YD.

Picture L to R

Sue KF7SOW #, Brad WA7BTC #*, Robin KK7JHT #, Steve AF7YD #*, Kerry KI7LTV #*, Marie KF7SOX #*, Chris N5CNG *, Ron K6HSB #*, Raphael KK7JUB *, Mike AJ7MH #*, Doug AB7DG #*, Gary KF7TPG * (ARES Event Organizer).

Legend: #=RCT Member, *=ARES Member

The Mighty DK's!

Monthly QSO Report

Each month in the *Bark* the Radio Club of Tacoma recognizes the members and guests who have made non-contest QSOs using the HF stations at our clubhouse. Saturday Open House, especially, is a time when members have access to this equipment. Why not sit down at one of our operating desks and make a contact or two? Assistance is almost always available for those unfamiliar with the equipment, and if your license class doesn't permit HF operation, ask the denizens of the HF Room or the Saturday clubhouse host to help you find a suitably-licensed control operator to sit with you.

It's a feather in the club's hat for the call sign of **The Mighty DK** to be heard on the airwaves. So get on the air and get your name in the *Bark*! (Don't forget to enter your call sign as the operator into our logging program.)

QSOs April 1 through April 28, 2023:

- Mike W7MKE: 32
- Mike W7XH: 420 (**Three** months in a row over 300 QSOs!)

What was old is now new again!

Once upon a time, the Radio club of Tacoma had a list of people who would act as mentors to new hams or just hams who wanted to ask questions about almost anything.

In ham radio lingo, these types of folks were called “Elmers” from old articles printed, probably in QST, about fellows that would help new hams with questions pertaining to ham radio. The actual origin of the term is kind of lost in the mists of time, but RCT has had this list of mentors for many years. It went away for “reasons” and is now making a return to the club and the Loggers Bark.

This list is preliminary and will be edited or added to as time goes on.

In the list below, you will see members listed with numbers after their names. The numbers correspond to the subject list on the left. So just look at the numbered subject list on the left and see who has those subject(s) as one of their topics. Phone numbers are listed for your use.

Elmer Board

Do you need help with some area in ham radio? Here is a place..... First is the listing of areas of support, followed by a list of members' areas of interest.		Name/Call Sign /Phone Number/ Help with topic	
1. Technical questions, Classes		Adam W2NCC 360-870-7894	(4,5,6,7,11)
2. Help with Code		AI N7OMS 253-495-9068	(10,12)
3. License Examinations		Dave N7HT 253-363-1692	(1,2,4,6,8)
4. Antenna and Station planning		Dave W7UUU 360-443-6981	(2,4,6,9)
5. Antenna and Tower erection		Gary WG7X 253-327-0503	(1,4,5,6,8,9,10,11,12)
6. Buying new or used equipment		Mike W7XTZ 253-405-8095	(6,8,10)
7. Equipment repair		Phil K7PIA 253-307-4781	(9,10,12)
8. Understanding and operating your equipment		Randy WB4SPB 253-761-9391	(2)
9. DX and Contests		Stephen AD7AB 253-212-9437	(1,3,4,12)
10. Club and ARRL activities		Steve AF7YD 253-988-0878	
11. Using test equipment			
12. IRLP , Digital, SDR, ARPS, Winlink, Vara, Satellite			

THE CLUB LINEUP

CLUB OFFICERS

President: Mike Mikuchonis –W7XTZ w7xtz@w7dk.org

Vice Pres: Adam Barbera, W2NCC - w2ncc@w7dk.org

Secretary: Mike Drorbaugh W7MKE - w7mke@w7dk.org

Treasurer: Steve Dightman, AF7YD - af7yd@w7dk.org

5 BOARD MEMBERS

Bruce Hanson, WE7P - we7p@w7dk.org

Paul Matney, W7PFU - w7pfu@w7dk.org

Doug Schafer AB7DG@w7dk.org

Red Cranefield, WB7EC - wb7ec@w7dk.org

Phil Pia, K7PIA - k7pia@w7dk.org

THE **LOGGER'S BARK** is the *OFFICIAL PUBLICATION OF THE RADIO CLUB OF TACOMA*... and is published by RCT, PO Box 11188, Tacoma, WA 98411. The Radio Club of Tacoma is a non-profit corporation as defined by law. All proceeds will be used exclusively for charitable and educational purposes. The Radio Club of Tacoma's Club House is located at 1249 Washington St, Tacoma, WA 98405, phone: 253-759-2040.

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MEMBERSHIP INFO: FULL (licensed) and ASSOCIATE (non licensed) membership is \$35 per calendar year or \$30 for Licensed Seniors (65 and over). Licensed family members at same address pay \$20 each for the first two and are free for the third, fourth, and so on. Full-time students, licensed or non licensed, up to age 25 are \$20 per year. Note: fees are applicable for the calendar year: Jan to Dec. Lifetime membership is 20 times the yearly fee you are eligible for. Lifetime memberships are calculated based on the FULL and ASSOCIATE rates.

www.w7dk.org [LINK] - For the latest and most current information on events and activities, visit the Radio Club of Tacoma Website.

RADIO CLUB REPEATERS

Central Tacoma: 147.280 + PL=103.5

Crawford Mountain 147.380 + PL=103.5 (E of Olympia © 1500 ft ASL)

Central Tacoma: 440.625 + PL=103.5

North Tacoma: 145.21 – PL=141.3